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**Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 013. del: Kabelske objemke z 2 ali 4 moduli za konektorje, serija 2 in serija 3 - Standard za proizvod**

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise, Betriebstemperatur 175 °C konstant - Teil 013: Gehäuse mit Zugentlastung für Steckverbinder mit 2 und 4 Modulen, Serie 2 und Serie 3 - Produktnorm

Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température d'utilisation 175 °C continu - Partie 013 : Serre-câbles 2 et 4 modules pour connecteurs, série 2 et série 3 - Norme de produit

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**Ta slovenski standard je istoveten z: EN 4165-013:2024**

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**ICS:**

31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

**SIST EN 4165-013:2025**

**en,fr,de**



EUROPEAN STANDARD

EN 4165-013

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2024

ICS 49.060

Supersedes EN 4165-013:2016

English Version

**Aerospace series - Connectors, electrical, rectangular,  
modular - Operating temperature 175 °C continuous - Part  
013: Cable clamp 2 and 4 modules for connectors, series 2  
and series 3 - Product standard**

Série aérospatiale - Connecteurs électriques  
rectangulaires modulaires - Température d'utilisation  
175 °C continu - Partie 013 : Serre-câbles 2 et 4  
modules pour connecteurs, série 2 et série 3 - Norme  
de produit

Luft- und Raumfahrt - Elektrischer  
Rechtecksteckverbinder in modularer Bauweise -  
Betriebstemperatur 175 °C konstant - Teil 013:  
Gehäuse mit Zugentlastung für Steckverbinder mit 2  
und 4 Modulen, Serie 2 und Serie 3 - Produktnorm

This European Standard was approved by CEN on 5 February 2024.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## European foreword

This document (EN 4165-013:2024) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2025, and conflicting national standards shall be withdrawn at the latest by May 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 4165-013:2016.

This document includes the following significant technical changes with respect to EN 4165-013:2016:

- adding of operating temperature to the scope;
- update of normative references;
- adding of optional designs to Figure 1 and Figure 2;
- update of Clause 7 “Marking”;
- editorial update of the document.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## EN 4165-013:2024 (E)

### 1 Scope

This document specifies cable clamps for 2 and 4 module connectors, series 2 and series 3 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 4165-001, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 001: Technical specification*

EN 4165-002, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 002: Specification of performance and contact arrangements*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4165-001 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

### 4 Required characteristics

According to Figure 1 and Figure 3 for 2 modules; Figure 2 and Figure 4 for 4 modules.

### 5 Cable clamp

#### 5.1 For 2 modules classes W and F

According to Figure 1.